

PRECISION ELECTRONIC COMPONENTS MFG. CO.

WIREWOUND RESISTORS PRELIMINARY DATA SHEET



COMMITTED TO QUALITY

PEP SERIES

MULTILAYER. EPOXY MOULDED.
HIGH PRECISION.

- * Low TCR
- * HIGH STABILITY
- * HIGH RELIABILITY
- * HIGH RESISTANCE VALUES
- * NON-INDUCTIVE CONSTRUCTION
- * PERFORMANCE AND SIZES TO MIL-R-93/39005

PEP types are the ultimate in Precision Resistors. Internationally accepted as the most precise reference resistor type in view of its low TCR and high stability, these Resistors offer a compact low cost solution to the Standards requirements of precision instruments.

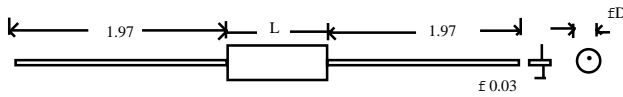


Fig.1

SPECIFICATIONS

RESISTANCE RANGE	: 10R TO 10MOHMS
TOLERANCE	: ±0.01%, ±0.02%, ±0.05%, ±0.10%
TEMP. COEFF. OF RESISTANCE [TCR]	: ABOVE 100R - ±10PPM/°C ⁴ ABOVE 10R - ±20PPM/°C ⁵
TEMPERATURE RANGE	: -55°C TO +125°C
STABILITY	: ±0.01% PER YEAR UNDER NORMAL CONDITIONS. HIGH RELIABILITY VERSIONS ARE POWER CONDITIONED FOR 100 HOURS AT +125°C.
ENVIRONMENTAL PERFORMANCE	: AS PER MIL

TABLE 1: PEP SERIES - DIMENSION DETAILS - RESISTANCE MAXIMUM

DIMENSIONS IN INCHES

PEC TYPE	PEC TYPE	MIL TYPE	COMMERCIAL RATING WATT	MIL RATING @ 125°C WATT	JSS RATING W _{ATT}	MIL MAX. VOLTAGE	L ±0.02	D ±0.02	R. VALUE Max. OHMS	STATUS
E010 ³	-	-	0.10	-	-	-	0.312	0.156	250K	S
E020	PEP02	RB56	0.20	0.125	0.125	150	0.344	0.250	800K	S
E025	-	RB55	0.25	0.15	0.15	200	0.500	0.250	1M2	S
E030	PEP03	RB54	0.33	0.25	0.25	300	0.750	0.250	2M5	S
E060	-	RB53	0.50	0.33	0.33	300	0.750	0.375	6M0	-
E080	PEP08	RB52	0.75	0.50	0.50	600	1.000	0.375	10M0	S

NOTES

1. THE 'MIL' STD REFERENCE IS INTENDED TO SERVE ONLY AS A GUIDE. THIS DOES NOT IMPLY QUALIFICATION APPROVAL. EXACT INTERCHANGEABILITY IS NOT IMPLIED, AS SOME MINOR DIFFERENCE MAY EXIST.
2. STATUS 'S' MEANS RAW MATERIAL AVAILABLE IN STOCK.
3. LEAD DIA IS 0.6MM.
4. BETTER TCR AVAILABLE ON REQUEST.
5. VALUES DOWN TO R10 AVAILABLE ON REQUEST. FOR LIMITS OF TOLERANCE & PPM ON THEIR VALUES PLEASE CHECK WITH FACTORY.

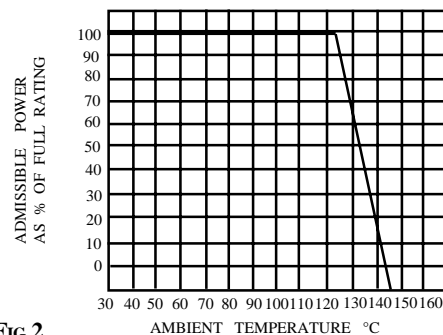


Fig.2

0894/RA08/DS/1-1

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DO NOT SCALE DRAWINGS.
DIMENSIONS IN MM UNLESS OTHERWISE SPECIFIED.
SPECIFICATIONS SUBJECT TO CHANGE.

